



**L. Brooks Patterson, County Executive  
Oakland County Michigan**

## **What is Wireless Oakland**

Wireless Oakland is an initiative launched by County Executive L. Brooks Patterson that consists of three goals. The first goal is to blanket the County's 910 square miles with wireless internet service. The second goal will directly address the County's "digital-divide" and provide low-cost or no-cost PC's and technology training to underserved population groups. Finally, the third goal will develop a Telecommunication and Technology Planning Toolkit that will support continued high-tech investments in local government and promote the integration of those investments with local community character and quality of life.

## **Benefits of Wireless Oakland**

The benefits of this initiative are nearly endless. Wireless Oakland will prepare the **residents** of the County for the **jobs of tomorrow**. As businesses go **high-tech** and more high-tech firms locate and relocate their businesses within the County, the residents of the County must be prepared to fill the jobs those businesses have to offer. Additional benefits of the initiative will include:

- Enhancement of the **residential character** within local communities
- Reduced cost and improved reliability for a growing **mobile workforce**
- Elevation of the **technical knowledge** of the County's current and future workforces
- Support the continued development of Oakland County's **eGovernment** services

## **Wireless Oakland Public Corporation**

To assist with the implementation of Wireless Oakland, the County, together with one or more of the cities, villages, and townships (CVTs) located in the County, plans to create a public corporation (Wireless Oakland Public Corporation--WOPC) to collect and pool their respective public assets. WOPC will create unique public/private partnership(s) and facilitate access to the assets necessary to build-out and operate the wireless network. Other assets are available, which are owned by private entities interested in the success of the Wireless Oakland initiative.

The WOPC **WILL NOT** own or operate the wireless network. It is expected that WOPC will license the use of collected assets to private partners on a non-exclusive, non-interfering (i.e., with any other site users rights or other communications networks) basis. In addition, private partners shall not have any permanent or exclusive rights to these public assets.

## **Boundaries of the Wireless Oakland Initiative**

Through its private sector partners(s), this initiative intends to provide "open-air" and "in-building" wireless internet service that **compliments** broadband services currently provided throughout the

County. Detailed requirements have not been developed to guide the build-out because the network will be installed, **owned**, and **operated** by **private partner(s)**. Instead, a series of high-level, fundamental service boundaries have been identified. These boundaries will ensure the wireless internet service provider (WISP) solutions are consistent with the objectives set forth by the Wireless Oakland initiative. In summary, the wireless internet service boundaries are:

- A portion of the wireless internet bandwidth will be **free** to all residents, businesses and visitors of Oakland County
- **WISP(s)** will be permitted to sell, and **profit from**, additional services above and beyond those free services. **Public entities** and/or the WOPC **WILL NOT** be allowed to financially benefit from the "for-fee" services
- The wireless internet service will be provided in **rural** and **urban** areas of the county so county-wide coverage can be ensured
- The wireless internet service will support "**consumer-based**" technologies
- Access to the wireless internet service will be provided through a standard captive portal and a single log-in database that provides a uniform user experience throughout the county
- Public tax dollars and/or grant monies **WILL NOT** be used to **subsidize** the provision of wireless internet service

These service boundaries serve as primary evaluation criteria during the competitive selection of private partner(s).

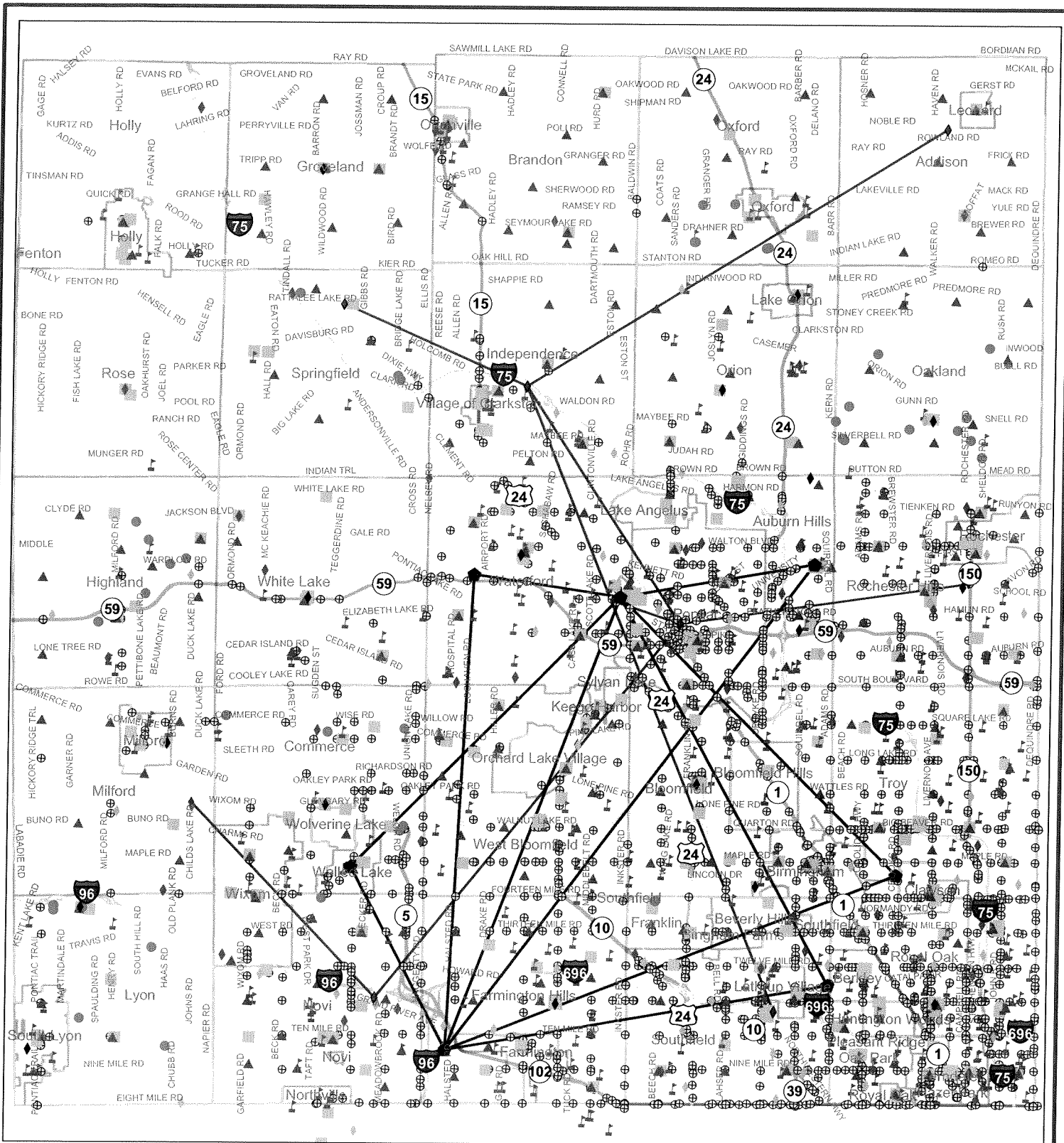
### Wireless Oakland Initiative Calendar of Events

February 2005	County Executive L. Brooks Patterson announces Wireless Oakland initiative at his State of the County Address.
March 2005	Wireless Oakland Project Team holds a Public and Private Sector Summit to gather feedback on the initiative. Over 300 individuals from the private sector and more than 100 individuals from the public sector attend the two events.
April 29, 2005	Wireless Oakland Project Team releases its Request for Qualifications (RFQ). The RFQ is downloaded over 500 times in the first week.
May 1, 2005	Over 20 local governments in Oakland County submit requests to be Wireless Oakland pilot communities.
May 25, 2005	Approximately 80 individuals representing 45 private sector companies from throughout the country attend the Wireless Oakland RFQ Pre-Bid Meeting.
June 27, 2005	Submission deadline for the Wireless Oakland RFQ responses.
July 2005	The Wireless Oakland Public Corporation will be formed.
August 2005	Wireless Oakland Private Sector partners will be selected.
September 2005	Wireless Oakland Demonstration Project will be conducted.
Fall 2005	The Wireless Oakland Pilot Projects will begin.
Early 2007	Wireless Oakland build-out will be complete.

### Wireless Oakland Project Team

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Scott Oppmann Wireless Oakland Program Manager	248-452-9198	oppmanns@co.oakland.mi.us
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For more information about the Wireless Oakland initiative, please refer to the Web site <http://www.co.oakland.mi.us/wireless> or contact [wirelessoakland@co.oakland.mi.us](mailto:wirelessoakland@co.oakland.mi.us).



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The premier county where:  
• People can live, learn, work & play  
• Businesses can prosper  
• Communities can thrive  
in a healthy, safe environment

### Wireless Oakland Infrastructure Inventory Oakland County & Partner Assets

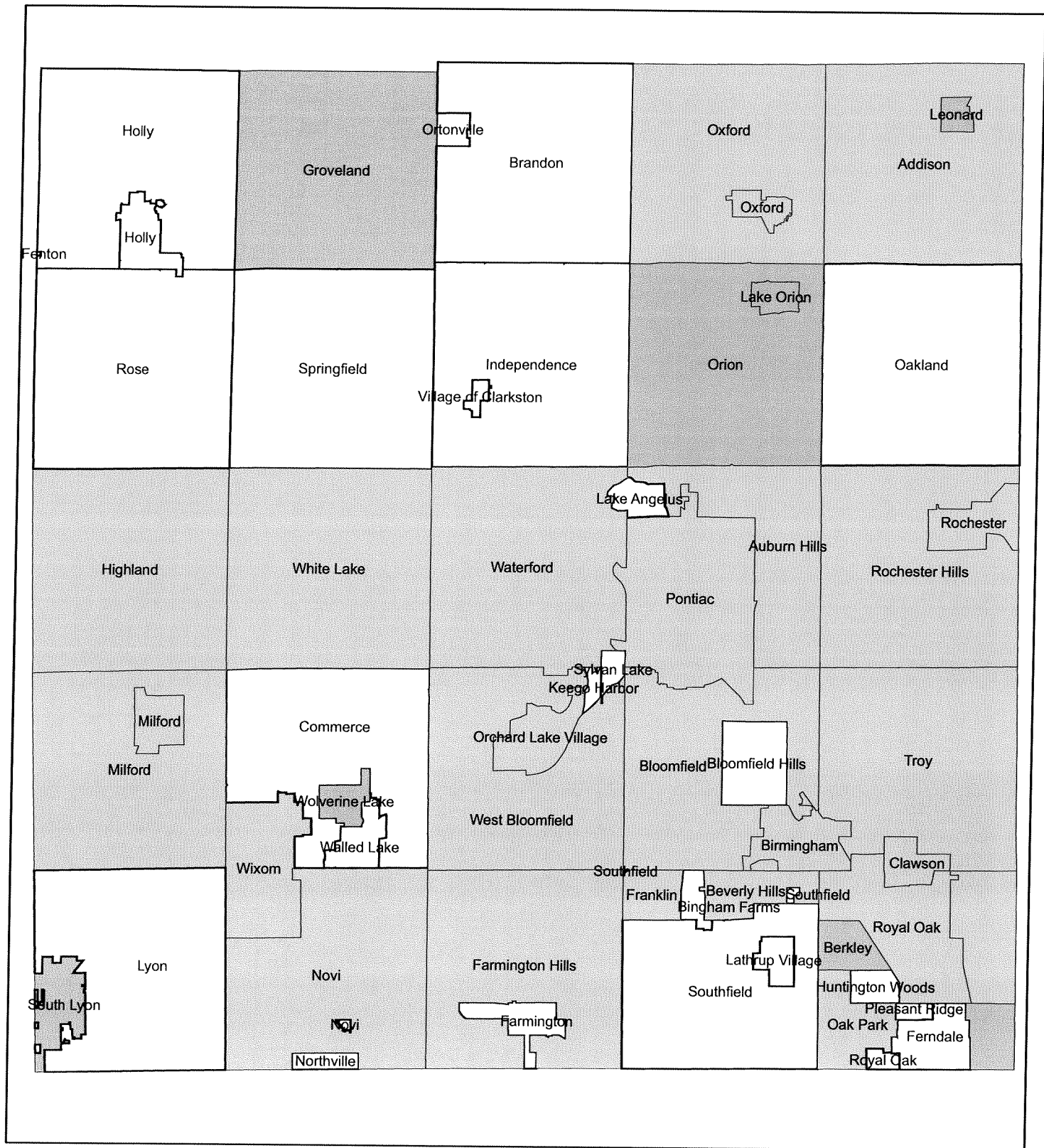
Map Author:  
Oakland County GIS Utility  
Department of Information Technology  
1200 N. Telegraph Road, Bldg 49W  
Pontiac, MI 48341  
<http://www.co.oakland.mi.us/mis/mis>

Map Projection:  
Michigan State Plane (S)  
Datum: NAD 83  
Units: International Feet  
Map Rotation: 2.2  
Map Date: March 14, 2005

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- ◆ County or CVT Owned Tower
- ◆ SpectraSite Tower
- ◆ American Tower Co. Tower
- ◆ LOS Network Tower
- ▲ Tornado Siren Pole
- Aggregate Site
- Drain Structure
- ⌘ Public School
- Government Building
- ⊕ Traffic Signal
- Dark Fiber Connector
- Line Of Sight





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## Pilot Community Application Status

Map Author:  
 Oakland County GIS Utility  
 Department of Information Technology  
 1200 N. Telegraph Road, Bldg 4800  
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<http://www.co.oakland.mi.us/maps>

Map Projection:  
 Michigan State Plane (5)  
 Datum: NAD 83  
 Units: International Foot  
 Map Rotation: -2.2  
 Map Date: May 4, 2005

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